

PLANT POT

FIELD OF THE INVENTION

The present invention relates to improvements of plant pots.

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BACKGROUND OF THE INVENTION

[0001] Plant pots used for planting ornamental plant flowers, for example, or for raising ~~seedlings~~seedlings, are generally formed in such a manner that brown ware or synthetic resin materials are formed into a cylindrical shape with the bottom by injection molding, and the bottom is provided with a 10 perforated hole for drainage in a penetrating manner.

[0002] In a case where such plant pots are used, after the perforated hole for drainage provided at the bottom is blocked 15 with a net or ~~peddles~~pebbles in a porous state, potting soil is placed into the plant pot and ornamental plant flowers are vegetated and raised with the potting soil.

[0003] In the above-described formed plant pot, water during sprinkling is easily ~~drained, therefore, drained~~. Therefore, 20 water supply should be frequently carried out in the summer, or during a dry season. This presents a drawback in which management of plants such as ornamental plant flowers is troublesome.

[0004] Then, blockage of the drainage hole may be ~~considered~~, 25 ~~however, considered~~. However, the drainage hole functions as a permeable hole as well. As such, there ~~was~~is a drawback in which ~~that~~ blockage ~~could~~can not be carried out since root

rot tended tends to occur.

#### SUMMARY OF THE INVENTION

[0005] Then, the present invention has been proposed in consideration of the above-described drawbacks, and the purpose 5 of the invention is to provide a plant pot in which the water supply interval can be long even in the summer without causing root rot, and management of plants can be carried out handily.

[0006] The plant pot according to the present invention for achieving the above-described object is formed in a cylindrical 10 shape with the bottom at which and the upper part thereof opens is characterized in that the is open. The bottom is provided with a drainage hole in a penetrating manner manner, and a water storage portion is provided at the inside surface of the bottom.

[0007] Additionally, the plant pot of the present invention 15 is characterized in that has a drainage hole is formed at the central part of the bottom, and a partition wall is installed inside the plant pot at the circumference of the drainage hole, and water hole. Water storage portions are formed between the corresponding partition wall and the inner circumferential 20 surface of the side wall of the plant pot.

#### BRIEF DESCRIPTION OF THE DRAWINGS

[0008] Fig. 1 is a perspective view of the plant pot according to the present invention.

[0009] Fig. 2 is a plan view of the plant pot according to 25 the present invention.

[0010] Fig. 3 is a bottom view of the plant pot according to the present invention.

[0011] Fig. 4 is a longitudinal sectional view of the plant pot according to the present invention.

[0012] Fig. 5 is a longitudinal sectional view of a state of use of the plant pot according to the present invention.

5 [0013] Fig. 6 is a longitudinal sectional view of a state ~~where~~ in which the plant pots according to the present invention are stacked.

#### DESCRIPTION OF THE PREFERRED EMBODIMENT

[0014] An embodiment of the plant pot according to the present 10 invention will be described with reference to the drawings.

[0015] Fig. 1 is a perspective view of the plant pot of the present invention, Fig. 2 is a plan view of the plant pot, Fig. 3 is a bottom view of the plant pot, Fig. 4 is a longitudinal sectional view of the plant pot, and numeral 1 in the drawings 15 generally denotes the plant pot.

[0016] The plant pot 1 is formed in a cylindrical shape with a side wall 2 ~~formed in~~ having a tapered shape in which the upper part opens outwardly narrowing downwardly in such a manner ~~that~~ downwardly, by injection molding a synthetic resin material 20 is injection molded. The bottom wall 3 is formed in a plate shape, and is formed slightly above the bottom end of the side wall 2. A drainage hole 4 is provided at the central part thereof in a penetrating manner (i.e., a through-hole). The drainage hole 4 not only drains surplus water but functions to support 25 breathing (ventilation) of the potting soil to be fed into the plant pot 1 or plant roots.

~~The bottom 3 is formed in a plate shape and is formed at~~

the part slightly above from the bottom end of the side wall 2, and a drainage hole 4 is provided at the central part thereof in a penetrating manner.

The drainage hole 4 not only drains surplus water but 5 functions to support breathing (ventilation) of the potting soil to be fed into the plant pot 1 or plant roots.

[0017] Additionally, at the substantial substantially intermediate position on the upper surface of the bottom wall 3 between the drainage hole 4 and the inner circumferential 10 surface of the side wall 2, a circular partition wall 5 is integrated with the bottom 3, thereby forming 3. Thus, a water storage portion 6 is formed between the corresponding partition wall 5 and the inner circumferential wall of the side wall 2.2 (Refer to Fig. 2 and Fig. 4.). In addition, as clearly shown 15 in the sectional view of Fig. 4, the partition wall 5 also forms a central drainage bowl portion having the drainage hole 4 located at the bottom thereof.

[0018] As shown in Fig. 4, the bottom 3 surrounded by the 20 circular partition wall 5 in which the drainage hole 4 is formed is formed in (i.e., the bottom of the drainage bowl portion) has a gradual sectional circular arc i.e., convex shape so that the drainage hole 4 becomes is located at the apex, and on apex. On the lower surface of the bottom wall 3 just below the circular partition wall 5, a hollow (groove) 8 is circularly formed so 25 as to fit into onto the upper end part 7 of the partition wall 5. As shown in Fig. 4, the groove 8 is formed in the outer surface of bottom wall 3 so as to be located opposite the partition

wall 5. Further, at the lower end part of the side wall 2 formed in a tapered shape in which the upper part opens outwardly narrowing downwardly, semicircular hollows groove 9 are formed for draining water drained from the drainage hole 4 or for 5 allowing circulation of air for breathing of plant roots.

Further, at the lower end part of the side wall 2 formed in a tapered shape in which the upper part opens outwardly narrowing downwardly, semicircular hollows 9 are formed for draining water drained from the drainage hole 4 or supporting 10 circulation of air for breathing of plant roots.

[0019] As shown in Fig. 5, in the above-described formed plant pot 1, the drainage hole 4 provided at the center of the bottom wall 3 (i.e., in the drainage bowl portion) in a penetrating manner is might be blocked with peddles pebbles 10, or the like. 15 In this case, the partition wall 5 is formed at the circumference of the drainage hole 4, whereby the quantity of pebbles 10 can be reduced in comparison with the conventional pot bottom 3 which is bedded over with pebbles.

In this case, the partition wall 5 is formed at the 20 circumference of the drainage hole 4, whereby the quantity of pebbles 10 can be reduced in comparison with the conventional pot bottom 3 which is bedded over with pebbles.

[0020] Next, a potting soil 11 is fed into the plant pot 1, and an ornamental plant 12 is planted and raised therein. During 25 raising of the plant, fertilizer application and water supply are carried out, and the surplus is drained out from the drainage hole 4. On the other hand, at the water storage portion 6 formed

between the partition wall 5 and the inner circumferential surface of the side wall 2, water 13 in which fertilizer, etc., is dissolved is stored.

5 ~~During raising of the plant, fertilizer application and water supply are carried out, the surplus is drained out from the drainage hole 4.~~

On the other hand, at the water storage portion 6 formed between the partition wall 5 and the inner circumferential surface of the side wall 2, water 13 in which fertilizer, etc., 10 is dissolved is stored.

[0021] Therefore, the potting soil 11 is moistened with the water 13 containing fertilizer being stored in the water storage portion 6, whereby the ornamental plant 12 is prevented from being run dry even when water supply is emitted just in case 15 and omitted. Thus, management of the ornamental plant 12 is facilitated by making the interval of water supply long.

[0022] Additionally, as shown in Fig. 6, when transporting or housing the plant pot 1 of the present invention, the plant pots are stacked by making the upper end part 7 of the partition 20 wall 5 align with the circular hollow groove 8 formed at the lower surface of the bottom 5, whereby 5. Thus, not only transport or housing of the plant pots is carried out compactly in a stable manner without consuming space, but also taking out removal of the plant pots can easily be carried out 25 without remaining stacked to each other.

[0023] Further, in the above-described embodiment, it is described that the plant pot 1 is formed of a synthetic resin

~~material, however, material. However, it is not limited thereto, and the plant pot 1 may be formed of brown ware or another material.~~

5 [0024] Additionally, in the above-described embodiment, ~~it is described that the drainage hole 4 is formed at the center of the bottom, however, bottom. However, a plurality of drainage holes 4 may be provided in a penetrating manner, further, manner. Further, the water storage portion is can be~~ formed at the center of the bottom and the plurality of drainage holes may be formed at the circumference thereof.

10 15 [0025] As described above, ~~in~~ the plant pot according to the present invention, ~~wherein~~ the drainage hole is provided in a penetrating manner at the bottom of the plant pot which is formed in a cylindrical shape with the bottom ~~the and has an upper part of which opens, and the is open. The water storage~~ portion is formed at the inside of the bottom, ~~whereby so that~~ a portion of water supplied into the plant pot is stored at the water storage portion. Advantageous effects can be brought about such that the water supply interval can be long even in the summer, or a dry season, saving trouble, whereby management 20 of plants can be carried out handily.

25 [0026] Additionally, since the drainage hole is not sealed hermetically, permeability from the drainage hole can be acquired, whereby advantageous effects can be brought about such that root rot can be prevented and favorable conditions of plants can be maintained over in a long period of time.

ABSTRACT

A plant pot comprises a bottom, a drainage hole provided at the bottom in a protruding manner, and a water storage portion  
5 formed at ~~the inside of~~ the bottom.